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September 23, 2016

Ms. Lori Simmons Arkansas Department of Health 4815 West Markham Street Little Rock, Arkansas 72205 Via email Lori.Simmons@arkansas.gov

Re: Georgia-Pacific, Crossett Mill - Biweekly Air Monitoring Report for Hydrogen Sulfide

Dear Ms. Simmons,

Following is the biweekly data summary for the Georgia-Pacific (GP) hydrogen sulfide (H₂S) and meteorological monitoring program, at the GP Crossett mill, covering the calendar period of August 24th through September 6th.

Summary of Results

Included in this report are three plots presenting H₂S concentrations calculated with varied rolling average periods (30-minute, 8-hour, and 24-hour).

Also included in this report is a summary of results from the daily 1-point QC checks performed during this biweekly period. The QAPP establishes goals for precision and bias as a coefficient of variation (CV) <10% and \pm 10%, respectively. Precision and bias are calculated in accordance with 40 CFR Part 58 Appendix A, Section 4.1.

There were no occurrences of data loss, other than those resulting from automated daily 1-point QC and weekly calibration checks. Results for all automated daily 1-point QC checks fall within the acceptable range, indicating the H₂S monitor was operating in accordance with the QAPP.

Fourteen-day time series plots for all recorded meteorological (met) parameters are presented in the final table. All met parameters have 100% data capture for this report period.

Please feel free to contact me if you have any questions or need any additional data.

Sincerely,





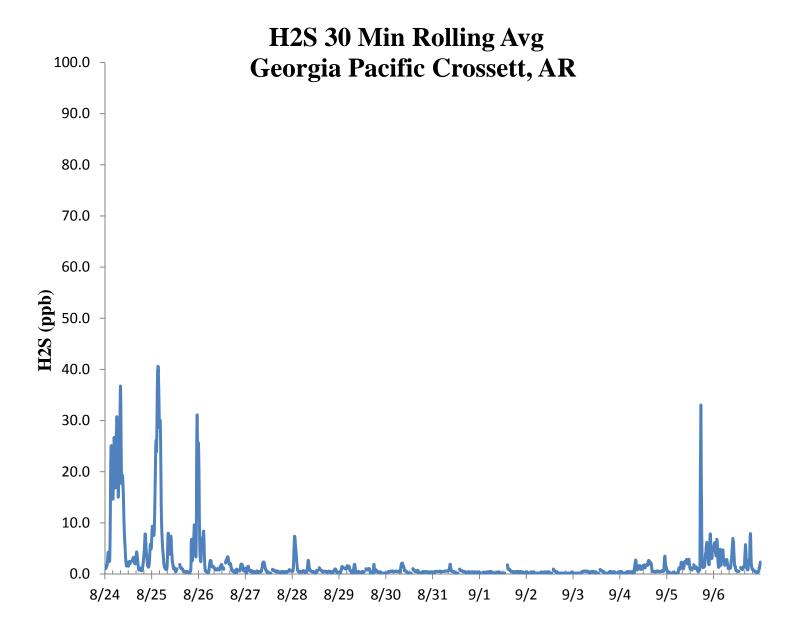
Jonathan Bowser Manager, Air Quality and Meteorological Monitoring

Air Measurements – Gainesville Office 6312 NW 18th Drive, Suite 100 Gainesville, Florida 32653 (352) 260-1162

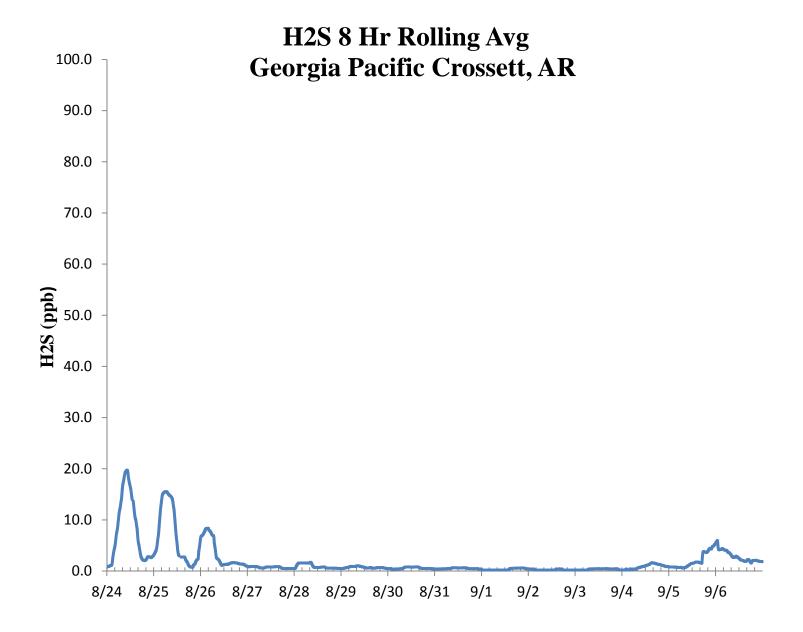
Email: jbowser@trcsolutions.com

CC: Becky Keough, ADEQ Director via email: keogh@adeq.state.ar.us Kara Allen, Environmental Engineer, USEPA Region 6 via email Allen.Kara@epa.gov

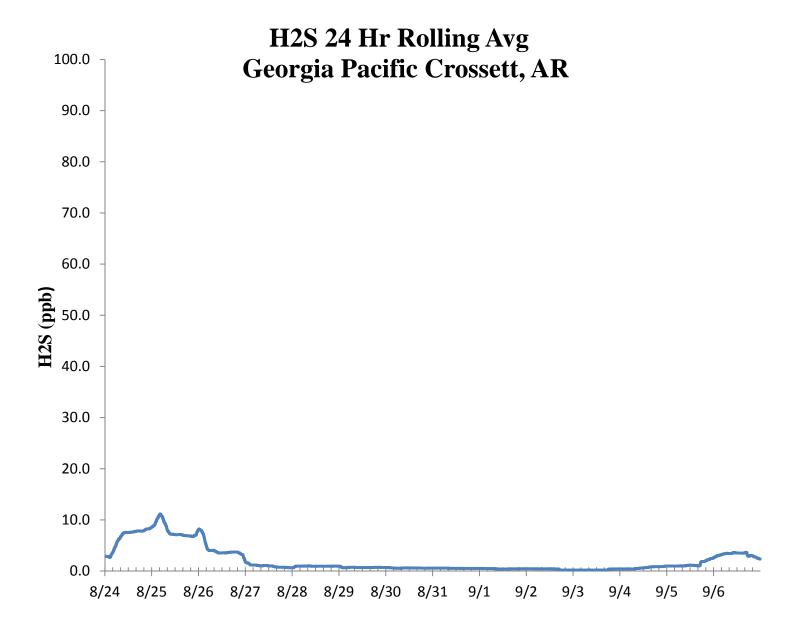














					H_2S	Asse	ssment	t				
GI	P - Crossett, AF	Crossett, AR		Compound of Interest: H ₂ S					CV _{ub} (%)		Bias (%)	
Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d²	d	d ²					
8/24/2016 13:00	72.6	70.0	3.7	1.714	13.796	3.714	13.796					
8/25/2016 13:00	72.5	70.0	3.6	75th Percentile	12.755	3.571	12.755	n	S _d	S _{d2}	∑ d	"AB" (Eqn 4)
8/26/2016 13:00	71.6	70.0	2.3	2.393	5.224	2.286	5.224	14	0.980	4.030	28.429	2.03
8/27/2016 13:00	71.5	70.0	2.1		4.592	2.143	4.592	n-1	∑d	$\sum d^2$	$\sum \mathbf{d} ^2$	"AS" (Eqn 5)
8/28/2016 13:00	71.7	70.0	2.4		5.898	2.429	5.898	13	28.429	70.224	70.224	0.98
8/29/2016 13:00	71.8	70.0	2.6		6.612	2.571	6.612					
8/30/2016 13:00	71.5	70.0	2.1		4.592	2.143	4.592				Bias (%) (Eqn 3)	Both Signs Positive
8/31/2016 13:00	71.2	70.0	1.7		2.939	1.714	2.939				2.49	TRUE
9/1/2016 13:00	71.4	70.0	2.0		4.000	2.000	4.000		CV (%) (Eqn 2)		Signed Bias (%)	Both Signs Negativ
9/2/2016 13:00	70.4	70.0	0.6		0.327	0.571	0.327		1.33		+2.49	FALSE
9/3/2016 13:00	70.1	70.0	0.1		0.020	0.143	0.020					
9/4/2016 13:00	70.8	70.0	1.1		1.306	1.143	1.306		Upper Probabil	lity Limit	Lower Probability	y Limit
9/5/2016 13:00	71.2	70.0	1.7		2.939	1.714	2.939		3.95		0.11	
9/6/2016 13:00	71.6	70.0	2.3		5.224	2.286	5.224					
							Percent Differences					
							15.0 _T					
							10.0					
							5.0					
								•	-	*		
							0.0				1 1	
							-5.0					
							-10.0					
							-15.0					
							713.0					
										<u> </u>		



Meteorological Summary

